

# RXC25

## installation contactors



- **Double-pole installation contactors**
- Protection against direct contact IP 20
- AC and DC input voltages
- Cover - modular, width 18 mm
- Direct mounting on 35 mm rail mount acc. to EN 60715
- Applications: in household systems (resistance furnaces, heaters, squirrel-cage motors, motor-loads in domestic)
- Compliance with standard PN-EN 61095
- Recognitions, certifications, directives: RoHS,  

### Output circuit - contact data

Number and type of contacts		2 NO, 1 NO + 1 NC, 2 NC	
Rated operational voltage		250 V AC	
Rated operational current	AC1 / AC7a AC3 / AC7b	25 A 8,5 A	
Rated thermal current		25 A	
Insulation rated voltage		500 V AC	
Operational power	AC1 / AC7a AC3 / AC7b	5,5 kW 230 V AC 2 kW 230 V AC	10 kW 400 V AC 3,4 kW 400 V AC
<b>Input circuit - coil data</b>			
Control voltage	50/60 Hz AC DC	24, 230 V 24 V	
Release voltage		0,2...0,75 U <sub>s</sub>	
Range of control voltage		0,85...1,1 U <sub>s</sub> (under operating conditions)	
Maximum power		1,3 W 24 V AC	1,2 W 230 V AC
<b>General data</b>			
Electrical life (cycles)		10 <sup>5</sup>	
Mechanical life (cycles)		> 10 <sup>6</sup>	
Rated working system			
• intermittent working system		30 times/h load factor 40%	
Dimensions (L x W x H)		81  x 18 x 67 mm	
Weight		120 g	
Ambient temperature	• operating	-5...+60 °C  (non-condensation and/or icing)	
Cover protection category		IP 20 EN 60529	
Relative humidity		≤ 50% 40 °C	≤ 90% 20 °C 
Operating altitude		0...2 000 m	
Overvoltage category		II	
Insulation pollution degree		2	

 Length with 35 mm rail catch: 85,2 mm.  When the contactor is installed in the power distribution box, heat insulations RXC-01 must be assembled on both sides to facilitate heat dissipation.  Special measures shall be taken for occasional condensation due to temperature changes.

**Table of codes**

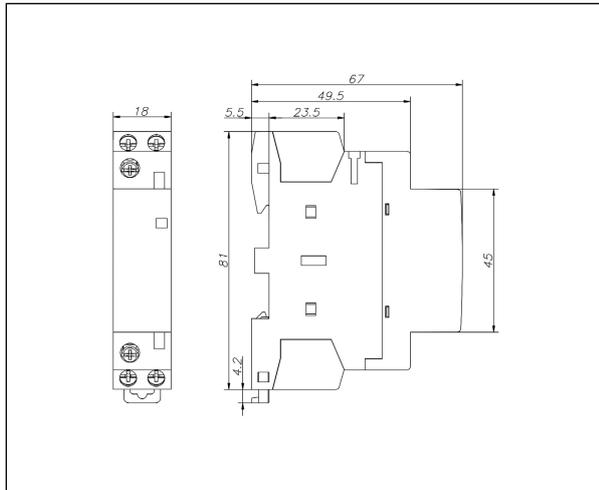
Table 1

Contactor code	Configuration of contacts	Control coil voltage
RXC25-20-A024	2 NO	24 V AC 50/60 Hz
RXC25-11-A024	1 NO + 1 NC	24 V AC 50/60 Hz
RXC25-02-A024	2 NC	24 V AC 50/60 Hz
RXC25-20-A230	2 NO	230 V AC 50/60 Hz
RXC25-11-A230	1 NO + 1 NC	230 V AC 50/60 Hz
RXC25-02-A230	2 NC	230 V AC 50/60 Hz
RXC25-20-D024	2 NO	24 V DC
RXC25-11-D024	1 NO + 1 NC	24 V DC
RXC25-02-D024	2 NC	24 V DC

# RXC25

## installation contactors

### Dimensions

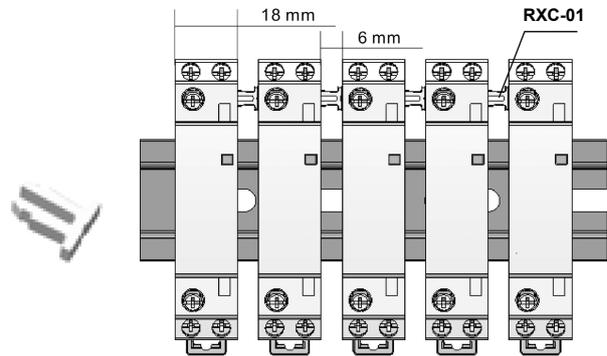
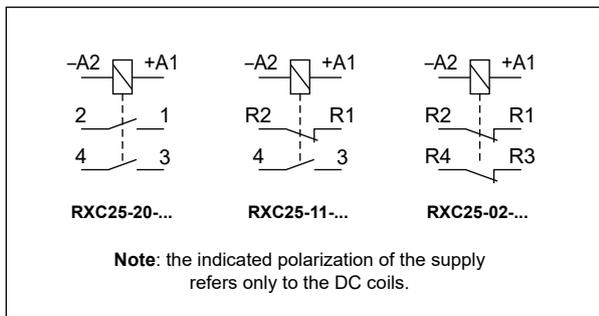


### Mounting, accessories for contactors

Installation contactors **RXC25** are designed for direct mounting on 35 mm rail mount acc. to EN 60715 ④ - they are delivered ready to install. Operational position - shall be vertical, and the inclination in each direction shall not exceed  $\pm 5^\circ$  (there shall be no significant shock and vibration). **Connections:** conductor cross section: input 1,5...2,5 mm<sup>2</sup> / 1,5...2,5 mm<sup>2</sup> (hard wire / flexible cord), output 1,5...6 mm<sup>2</sup> / 1...4 mm<sup>2</sup> (hard wire / flexible cord), input terminals: 2 screws M3,5, max. tightening moment for the terminal: 0,8 Nm, output terminals: 4 screws M3,5, max. tightening moment for the terminal: 0,8 Nm.

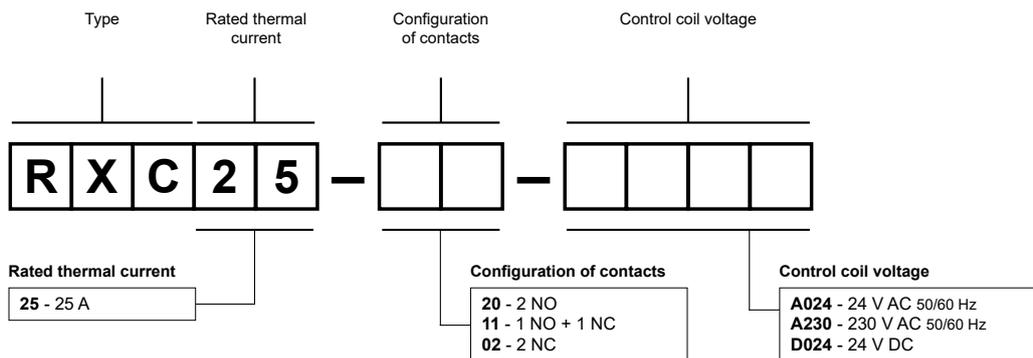
For **RXC25** contactors we offer heat insulation **RXC-01** (is easy to install, saves space and has better heat dissipation effect) ⑤.

### Connection diagrams



- ④ The distance at least 6 mm between the contactors mounted side by side.
- ⑤ When contactors are installed too tightly, heat insulation parts must be installed between them to facilitate heat dissipation; when the temperature in the distribution box is too high, the capacity of contactor needs to be reduced.

### Ordering codes



Examples of ordering codes ⑥:

**RXC25-11-D024** contactor **RXC25-...**, rated thermal current 25 A, double-pole - contacts 1 NO + 1 NC, control coil voltage 24 V DC

**RXC25-02-A230** contactor **RXC25-...**, rated thermal current 25 A, double-pole - contacts 2 NC, control coil voltage 230 V AC 50/60 Hz

⑥ Ordering codes **RXC25-...** are specified in Table 1, "Contactor code" column.